Clearwater National Forest

Fish Habitat Report - Detailed Reach Summaries

Stream Name: Meadow Creek

HUC Code: 170601080103

Survey Year: 2018

Transect Spacing: 30

Survey Length: 420

Tuesday, February 26, 2019 Page 1 of 6

Reach	Length	% of Channel Gradient	# Transects	Channel Type
mdw95	420	100.0%	14	

Variable	Avg	Sum	Min	Max	
Channel Characteristics					
Average Stream Depth (cm)	14.5		2.0	41.8	
Maximum Depth (cm)	27.4		8	79	
Stream Width (m):	3.37				
Bank Erosion (m/km)		29.8			
Bank Stability %	97.02%				
% Gradient (transects):	3.4				
Habitat Characteristics					
Pool Quality Rating:	1.40		1	3	
Pool Width (m):	4.7		2.5	8.5	
Instream Cover Index	1.86		1	4	
Bank Stability Index	3.79		3	5	
Bank Cover Index	3.93		0	5	
Acting Debris (no./100m)	24.5		6.7	43.3	
Large Woody Debris (no./100m)	0.0		0.0	0.0	
Potential Debis(no./100 m)	64.5		28.0	133.0	
Primary Pools (no./km)	88.1		88.10		
High Quality Pools (no./km)	0.0				
Sum Surface Area (Pool Type)	1027.5				
% Pool (all Pool like types):	72.6%				

All pool like types include large pools, pocketwater, alcoves, runs and pool-runs. Refer to the Habitat Type breakdowns for the % of actual primary pools

Pacfish Averages for wood and pools	Avg	Min	Max
Acting Debris (no./mile)	394.6	107.3	697.2
Large Woody Debris (no./mile)	0.0	0.0	0.0
Primary Pools (no./mile)	141.7		
High Quality Pools (no./mile)	0.0		

Tuesday, February 26, 2019 Page 2 of 6

	Cobble Embeddedness	Adjusted Cobble Embeddedness
glide	100.0	
pocketwater	-1.0	
pool	100.0	
riffle	48.0	
run	97.5	
run pool	100.0	
run riffle	100.0	
Average Reach CE (unweighted)	85.2	

Habitat types - Average Widths (meters)

Variables	Mean	Min	Max	Surface Area (m2)	Percentage of Total
pool	4.7	2.5	8.5	699	49.4%
riffle	1.9	0.4	3.4	168	11.9%
run	1.8	1.3	2.5	218	15.4%
glide	3.2	3.2	3.2	96	6.8%
pocketwater	1.0	1.0	1.0	30	2.1%
run riffle	1.4	1.0	1.6	123	8.7%
run pool	2.7	2.7	2.7	81	5.7%
	7	otal Surface	Area (m2)	1415	100.0%

Primary Habitat Functions - average widths

Variables	Mean	Min	Max	Surface Area	Percentage of Total
missing data	0.4	0.4	0.4	12	0.8%
unusable	1.0	1.0	1.0	30	2.1%
summer rearing	2.5	1.0	6.1	1119	79.1%
winter rearing	8.5	8.5	8.5	253.5	17.9%
	7	otal Surface	Area (m2):	1415	100.0%

Tuesday, February 26, 2019 Page 3 of 6

Spawning Habitat Subreport (square Meters)

Spawning habitat totals for Meadow Creek, mdw95

		Sum	% of Total
Steelhead (spring)	Good		
	Fair		
	Poor		
	Total:		
Chinook (fall)	Good		
	Fair		
	Poor		
	Total:		
Resident (spring)	Good		- — — — — —
	Fair	1	0.07%
	Poor		
	Total:		
Resident (fall)	Good		
	Fair		
	Poor		
	Total:		

Tuesday, February 26, 2019 Page 4 of 6

Predominant Substrates					
Predominant Substrate	Surface Area (square meters)	% of Total Area			
— missing data	132	9.3			
small rubble (cobble) 7.6-15.2 cm	81	5.7			
coarse gravel 2.5-7.6 cm	381	26.9			
small gravel 0.6-2.6 cm	276	19.5			
sand <0.6 cm	47	3.3			
silt	245	17.3			
organic debris	254	17.9			
Total Surface Area	1414.5				

Pool Creators

Pool Creators	Percentage of Total Pool Area in Stratum	Mean Pool Rating	
large woody debris	85.0	2.50	
boulders / bedrock	15.0	1.00	
All Pools	100.0	2.0	
Pool Ratings			
Habitat Type	Average Pool Rating	Min	Max
pool	1.40	1	3
Average Pool Rating (all pool types)	1.40	1	3

Tuesday, February 26, 2019 Page 5 of 6

Riparian Vegetation

Riparian Dominant/Subdominant Combinations			% of Scheme
Dominant		Subdominant	within the reach
Forbs/Grasses (not meadow			92.9%
Cedar	and	Forbs/Grasses (not meadow	7.1%

Tuesday, February 26, 2019 Page 6 of 6